|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Вариант | Набор | Двоичный код состояния S(1), S(0) | | | |
| State0 | State1 | State2 | State3 |
| 14 | XC3S200 | 10 | 00 | 11 | 01 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Состояние | State0 | State1 | State2 | State3 |
| Двоичный код состояния | 1 0 | 0 0 | 1 1 | 0 1 |
| CNT | 0 | 1 | 1 | 0 |
| DLY\_EN | 0 | 1 | 0 | 1 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COUNT | DLY\_OVF | S1(t) | S0(t) | S1(t+1) | S0(t+1) | SN(1) | SN(0) | Описание события |
| 0 | X | 1 | 0 | 1 | 0 | 1 | 0 |  |
| 1 | X | 1 | 0 | 0 | 0 | 0 | 0 |  |
| X | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| X | 1 | 0 | 0 | 1 | 1 | 1 | 1 |  |
| 1 | X | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 0 | X | 1 | 1 | 0 | 1 | 0 | 1 |  |
| X | 0 | 0 | 1 | 0 | 1 | 0 | 1 |  |
| X | 1 | 0 | 1 | 1 | 0 | 1 | 0 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 00 | 01 | 11 | 10 |
| 00 |  |  |  | 1 |
| 01 | 1 | 1 |  | 1 |
| 11 | 1 | 1 | 1 |  |
| 10 |  |  | 1 |  |

SN(1) = (DLY\_OVF && ~S1) || (COUNT && S1 && S0) || (~COUNT && S1 && ~S0)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 00 | 01 | 11 | 10 |
| 00 |  | 1 | 1 |  |
| 01 | 1 |  | 1 |  |
| 11 | 1 |  | 1 |  |
| 10 |  | 1 | 1 |  |

SN(0) = (DLY\_OVF && ~ S1 && ~S0) || (~DLY\_OVF && ~S1 && S0) || (S1 && S0)